



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#4/A  
WM  
9/9/03

Applicant: GANG LUO ET AL.

§ Group Art Unit: 2172

Serial No.: 09/842,991

§ Examiner: Chongshan Chen

Filed: April 26, 2001

§ Atty. Dkt. No.: NCR.0038US  
(9558)

For: METHOD AND APPARATUS FOR  
PERFORMING HASH JOIN

**RECEIVED**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

SEP 04 2003

Technology Center 2100

REPLY TO OFFICE ACTION MAILED MAY 27, 2003

Dear Sir:

In response to the Office Action of May 27, 2003, please amend the above-identified application as follows:

Amendments to the Claims begin on page 2 of this paper.

Remarks/Arguments begin on page 10 of this paper.

09/02/2003 SSESHE1 00000080 501673 09842991

01 FC:1202 54.00 DA

Date of Deposit: <u>August 27, 2003</u>
I hereby certify under 37 CFR 1.8(a) that this correspondence is being deposited with the United States Postal Service as <b>first class mail</b> with sufficient postage on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313.
<u>Dawn L. Thomas</u>
Dawn L. Thomas

## AMENDMENT TRANSMITTAL LETTER (Large Entity)

Applicant(s): GANG LUO ET AL.

Docket No.

NCR.0038US(9558)

Serial No.  
09/842,991Filing Date  
April 26, 2001Examiner  
Chongshan ChenGroup Art Unit  
2172

Invention: METHOD AND APPARATUS FOR PERFORMING HASH JOIN



RECEIVED

SEP 04 2003

TO THE COMMISSIONER FOR PATENTS:

Technology Center 2100

Transmitted herewith is an amendment in the above-identified application.

The fee has been calculated and is transmitted as shown below.

## CLAIMS AS AMENDED

	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST # PREV. PAID FOR	NUMBER EXTRA CLAIMS PRESENT	RATE	ADDITIONAL FEE
TOTAL CLAIMS	35 -	32 =	3	x \$18.00	\$54.00
INDEP. CLAIMS	3 -	3 =	0	x \$84.00	\$0.00
Multiple Dependent Claims (check if applicable)		<input type="checkbox"/>			\$0.00
					TOTAL ADDITIONAL FEE FOR THIS AMENDMENT
					\$54.00

- No additional fee is required for amendment.  
 Please charge Deposit Account No. 50-1673(9558) in the amount of \$54.00  
 A check in the amount of \_\_\_\_\_ to cover the filing fee is enclosed.  
 The Director is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 50-1673(9558)  
 Any additional filing fees required under 37 C.F.R. 1.16.  
 Any patent application processing fees under 37 CFR 1.17.

Signature

Dated:

8-27-03

Dan C. Hu  
 Reg. No. 40,025  
 TROP, PRUNER-& HU, P.C.  
 8554 Katy Freeway  
 Suite 100  
 Houston, Texas 77024

I certify that this document and fee is being deposited on 8/27/2003 with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Signature of Person Mailing Correspondence

Dawn L. Thomas

Typed or Printed Name of Person Mailing Correspondence

cc: